U S E R M A N U A L

ALLEGRO INDUSTRIES
SERIES 9910 (LP)
CONTINUOUS FLOW,
SUPPLIED AIR HOOD RESPIRATORS
P/N 9910
P/N 9910R
P/N 9910D
P/N 9910DS
P/N 9912D

Read and understand all instructions before using this product.

Open carton carefully and inspect product for damage caused by carrier.
If any damage is found, report and submit claim to carrier.

ALLEGRO
INDUSTRIES

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INTRODUCTION

This manual provides instructions for the use and maintenance of the ALLEGRO INDUSTRIES Continuous-Flow Supplied Air Hood Respirator. You must read and understand this manual and be trained in the proper use of the equipment before using it in a contaminated atmosphere.

FOR MORE INFORMATION ON ALLEGRO INDUSTRIES' PRODUCTS, OR FOR OUR PARTS CATALOG, CONTACT ALLEGRO INDUSTRIES TECHNICAL SERVICE TOLL FREE AT (800) 622-3530 or techsvc@allegrosafety.com.

DESCRIPTION

The ALLEGRO INDUSTRIES Continuous-Flow Supplied Air Hood Respirator provides a constant flow of air to the hood when connected to an external air source. When used with an approved air line at a pressure of 6 to 40 PSI, air is delivered to the respirator at a rate exceeding 6 CFM (170 liters per minute) (See NIOSH approval label).

SAFETY PRECAUTIONS

To protect your life and health and to prevent serious injury or death, this respirator must be selected for your specific application, so that it fits properly; and must be used, inspected, and maintained as directed in this manual.

Industrial Hygienists, Safety Engineers, Occupational Physicians, Medical Department or Supervisor are among those professionals who should be consulted to be sure that you are wearing the proper respirator for the protection needed. Hoods are a type of respirator.

WARNINGS - LIMITATIONS

Read, understand, and follow the Warnings - Limitations listed below:

1. Do not use this respirator in any way that does not agree with this User Manual or any applicable regulation.

2. This respirator must be used in accordance with a complete respirator program, such as the one specified in 29 CFR 1910.134.

3. Do not use this respirator in enclosed or poorly ventilated spaces where a high concentration of contaminants can occur or in an oxygen deficient atmosphere. Use only in adequately ventilated areas containing sufficient oxygen to support life.

4. This respirator does not supply oxygen. Use only in atmospheres containing 19.5% oxygen.

5. Do not use this respirator in any atmosphere that is immediately dangerous to life or health (IDLH), which means conditions that pose an immediate threat to life or health, or conditions that pose an immediate threat of severe exposure to an air contaminant or contaminants which are likely to have an adverse delayed effect on life or health.

6. The exposure limits specified in OSHA regulations, in the regulations of other government agencies, and in the most recent authoritative scientific literature shall be observed when the respirator described in this manual is used.

7. This respirator shall not be used in any manner contrary to the recommendations contained on the package label and on the Material Safety Data Sheet (MSDS) or similar document available from the manufacturer or supplier of the substance or substances being used.

8. Do not use this respirator during abrasive blasting (including sandblasting).

9. Use only ALLEGRO INDUSTRIES component parts and combinations of parts to assemble or repair this respirator. Consult the parts list and approval label for approved parts. Use of non-approved parts voids the NIOSH approval and may result in bodily injury or death.

10. This respirator should be inspected and any necessary repairs made before each use. It must be cleaned, sanitized, dried and stored according to the directions in this manual.

11. Do not use this respirator if you have a concern that the air being supplied to the respirator facepiece is not of the quality and quantity described herein.

12. It is important that the pressure and flow of the air entering the supplied air hose from the air supply be controlled and that it meets the requirements specified in this instruction manual.

13. During use, if any decrease in air flow to the hood is noticed, leave the contaminated area immediately, remove the hood and inspect it for any damage such as tears, holes or rips in the material. If any damage is noticed, dispose of the hood immediately as instructed by your supervisor.

CAUTIONS AND LIMITATIONS LOCATED ON THE NIOSH APPROVAL LABEL

B Not for use in atmospheres immediately dangerous to life or health.

C Do not exceed maximum use concentrations established by regulatory standards.

D Airline respirators can be used only when the respirators are supplied with respirable air meeting the requirements of CGA G-7.1 Grade D or higher quality.

E Use only the pressure ranges and hose lengths specified in the instruction manual.

J Failure to properly use and maintain this product could result in injury or death.

M All approved respirators shall be selected, fitted, used and maintained in accordance with MSHA, OSHA and other applicable regulations.

N Never substitute, modify, add, or omit parts. Use only exact replacement parts in the configuration as specified by the manufacturer.

O Refer to User Instructions and/or Maintenance Manuals for information on use and maintenance of these respirators.

S Special or Critical User Instructions and/or specific use limitations apply. Refer to User Instructions before donning.

S - SPECIAL OR CRITICAL USER'S INSTRUCTIONS

Dual Hose Usage

The blue, unrelated, tethered/bonded air-line hose and quick connects are not NIOSH approved and cannot be substituted for a respirator breathing air-line hose and quick connections. Such substitution will void the NIOSH approval of the respirator.

The blue, unrelated, tethered/bonded air-line hose must be connected at the POA to a separate air compressor system completely separate from the air compressor system that supplies Grade "D" breathing air to the respirator or the NIOSH approval is void.

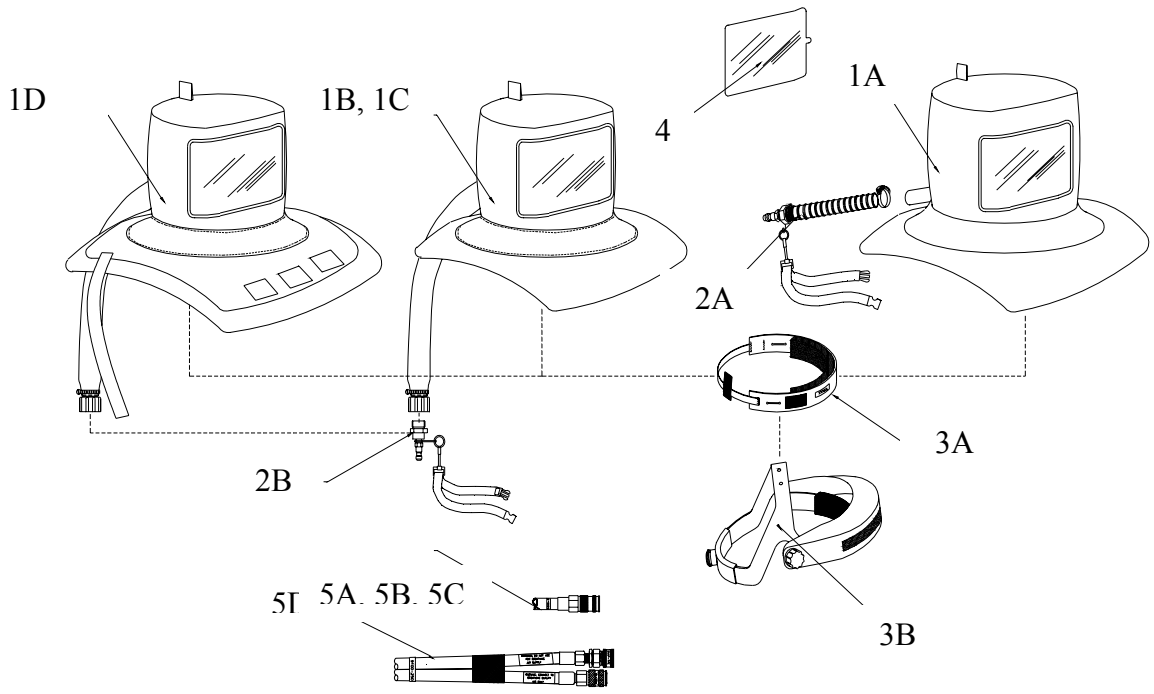
Hose Length to Pressure

Not for use in atmospheres containing less than 19.5 percent oxygen. Approved for use with respirable air meeting the requirements of the Compressed Gas Association specifications G-7.1, for type 1, Grade D air, through no more than three (3) lengths of approved hose as specified in the following chart.

Hose Length in Feet	Pressure in PSI
25	6 - 9
50	9 - 14
75	12 - 18
100	15 - 21
150	20 - 30
200	24 - 33
250	28 - 37
300	32 - 40

Parts List

Item No.	Product Number	Description
1A	9910-09	Disposable Hood Assy
1B	9911-19	Fully Disposable Hood Assy
1C	9911-19S	Fully Disposable Hood Assy, (Saran Coated)
1D	9911-09	Fully Disposable Hood Assy, Dual Bib
2A	9910-01	Breathing Tube Assembly w/Waist belt
2B	9910-11	Breathing Tube Adapter Assy w/Waist belt
3A	9910-02	Head Band Assembly (Standard)
3B	9910-03	Head Band Assembly, Ratchet (Optional)
4	9910-25A	Peel Off Lens Cover
Not Shown	9910-04	Breathing Tube Assy w/o Waist Belt
Not Shown	9900-02	Waist Belt
5A	9100-100	100’ Supplied Air Hose, ¼” Rectus Couplers
5B	9100-50	50’ Supplied Air Hose, ¼” Rectus Couplers
5C	9100-25	25’ Supplied Air Hose, ¼” Rectus Couplers
5D	9100-50D	50’ Dual SAR Hose, ¼” Rectus/Snap-Tite Couplers
5E	9100-25D	25’ Dual SAR Hose, ¼” Rectus/Snap-Tite Couplers



AIR QUALITY AND VOLUME

The responsibility of maintaining the quality of the air supply is yours. The air breathed by the person wearing a Supplied Air Hood Respirator must be of a proper quality and quantity (sufficient volume or flow rate) to satisfy all the respiratory needs of the wearer and to prevent any contaminated air from entering under the face seal.

Government standards require that the air supplied to the respirator contain at least 19.5% oxygen by volume. Unless safety and health codes in your area specify otherwise, the quality of the air must meet the applicable minimum grade requirements for Type 1 gaseous air set forth in the Compressed Gas Association Commodity Specification for Air, CGA G7.1 (Grade D or higher quality).

The air taken into a compressor for ultimate use in a Supplied-Air Hood Respirator must meet this standard before and after compression. Use of low pressure, oil-less ambient air pumps must be located in a contaminant-free area in order to deliver air to the respirator.

INLET AIR PRESSURE

To assure the volume of breathing air entering into the Supplied Air Respirator is within the prescribed limits, it is necessary to consider the air pressure at the POA (Point of Attachment) and the length of the supplied air hose. (see "Special User Instructions")

Warning

ALLEGRO INDUSTRIES air hose is approved for use with this Supplied-Air Hood Respirator. Using any other hose will automatically void the approval of the respirator and may be hazardous to the wearer.

PUTTING ON (DONNING) THE RESPIRATOR

When properly worn, this Supplied Air Hood Respirator is attached to the wearer at two points. One is around the waist by a belt which is attached to a breathing tube; the other is by the headband assembly inside the hood assembly.
The assembled respirator should be put on in uncontaminated air, as follows:

1. Remove the headband assembly from the hood and adjust the headband to assure a snug but comfortable fit.

2. Reinstall the headband assembly into the hood by lining up the Velcro® tabs.

3. Remove the protective tissue from the front of the hood's lens.

4. Attach a removable lens cover (if required) to the outside of the lens to protect it from overspray.

5. Check to make sure that the breathing tube is not kinked or crushed and that it is fully inserted into the collar of the hood assembly.

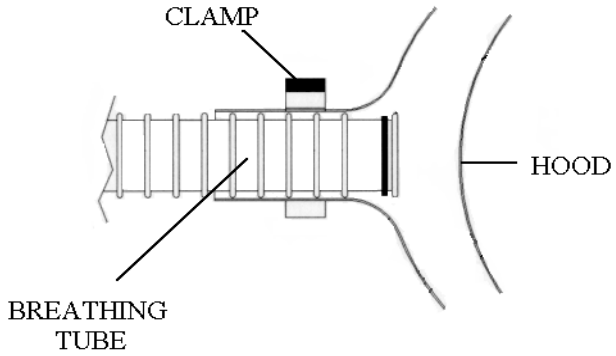
6. Secure the waist belt around your waist. Don the hood and headband assembly. Connect the approved air supplied hose to the male connector plug on the end of the breathing tube.

7. Once connected to the air hose, turn on the air supply, check air flow, and enter the work area.

HOOD REMOVAL AND REPLACEMENT INSTRUCTIONS FOR P/N'S 9910 & 9910R

1. Exit from the hazardous environment and remove the supplied air hood.
2. Turn off the air supply and disconnect the breathing tube from the air line hose at the waist.
3. Unbuckle and remove the waist belt.
4. Remove the plastic hose clamp from the hood and breathing tube.
5. Remove the breathing tube from the hood. Dispose of the hood.
6. Install the breathing tube into the replacement hood. Be sure to insert the breathing tube fully into the collar of the hood. (See drawing "Underside View")

Underside View for 9910 & 9910R



7. Install the white clamp over both the hood and breathing tube. Squeeze the clamp until the clamp teeth engage. Be sure that the clamp is snug so the breathing tube does not disengage.

WARNING!
Do not kink or crush the breathing tube. This could restrict airflow and allow the user to be exposed to contaminants.

8. Return to instructions for putting on (donning) the respirator.

HOOD REMOVAL AND REPLACEMENT INSTRUCTIONS FOR P/N's 9910D & 9910DS

1. Exit from the hazardous environment and remove the supplied air hood.

2. Turn off the air supply and disconnect the breathing tube from the air line hose at the waist.

3. Unbuckle and remove the waist belt.

4. Remove the Down Tube Adapter from the Down Tube by unthreading the swivel nut.

5. Dispose of the hood as instructed by your employer if required

MAINTENANCE, CLEANING, AND STORAGE

Before each use, a respirator must be carefully inspected to assure that it is complete and in good operating condition. A respirator that is not complete must not be used until such time as it is completely repaired. Only approved parts should be used as replacements and to make repairs. Using other parts will void the NIOSH approval for the respirator and may result in bodily injury or death.

The hood and its components used by an individual should be inspected and, if possible, cleaned and sanitized after each day of use.

The 9910D and 9910DS series hoods are intended to be a disposable type hood. If the hood is damaged, torn or contaminated in any way that would affect its performance or cause any possible hazard to the user it should be disposed of properly.

INSPECTION

Inspect the hood for damage such as tears or rips.
Inspect the lens for scratches, cracks, creases, dents or any other type of damage. Inspect all sewn seams.
Inspect the breathing tube for signs for cracks, holes, kinks, or other damage, as well as flaking or deterioration of the foam baffle inside the breathing tube.
Inspect the fittings for proper attachment.
Inspect belt for unusual wear such as cuts, tears, fraying, or damaged hooks or buckles.

WARNING!
Inspect the hood assembly before each use.

CLEANING

Replace lens cover when it becomes difficult to see through the lens. Replace hood when contaminant penetration occurs, or when soiled or damaged. Clean the breathing tubes of the 9910 and 9910R outer surface with mild soap and warm water. Rinse with clean water. Shake to remove excess water and let air dry.

WARNING!
Do not allow the foam baffle inside the breathing tube to get wet. Do not use solvents to clean any part of the hood.

WARNING!
DO NOT damage the lens with abrasive cleaners or pads.

REPAIR
Replacements are limited by the user to those components listed on the NIOSH label in this manual.

STORAGE
Store the Supplied Air Hood away from dust, sunlight, temperature extremes, moisture, and chemicals.

Before storing these hood assemblies, they should be inspected, repaired if necessary, cleaned, dried, and given a final inspection. Only fully operable hood assemblies should be stored.

While in storage, the hood assemblies should be protected from distortion from the weight or pressure of surrounding objects or being placed in too small a place.

SPECIFICATIONS

Weight:	Complete Assembly	7.7 oz.
	Replacement Hood	3.8 oz.
Material:	Hood Assembly	Poly Coated Tyvek Saran Coated Tyvek
	Breathing Tube Waist Belt	Vinyl Hose Nylon Webbing
Air Consumption:		6 - 40 PSI @ 6 - 11 CFM

WARRANTY

Damage resulting from carrier handling abuse is not covered by product warranty. Protect your interest - inspect product immediately. The following warranty is made in lieu of all other warranties expressed, implied, or statutory, including but not limited to, the implied warranties of merchantability and fitness for purpose. It is in lieu of any implied warranty of merchantability, fitness for a particular purpose, or other warranty of quality, except of title, and against patent infringement.

In the event that this ALLEGRO INDUSTRIES product is found to be defective in material or workmanship, or not in conformance with any expressed warranty for a specific purpose, ALLEGRO's only obligation, and your exclusive remedy, shall be to repair, replace, or refund the purchase price of such parts or products upon timely notification, not to exceed 1 year from date of purchase, and substantiation that the product has been stored, maintained and used in accordance with ALLEGRO INDUSTRIES written instructions. (Disposable hoods excluded.) Maximum liability is in no case to exceed the value of the ALLEGRO INDUSTRIES unit involved.

LIMITATION OF LIABILITY: Except as provided above, ALLEGRO INDUSTRIES shall not be liable or responsible for any loss or damage, whether direct, indirect, incidental, special, or consequential, arising out of sale, use, or misuse of ALLEGRO INDUSTRIES' products, or the user's inability to use such products.

Refer to this Users Manual for proper use.

Transportation charges in all cases will be at customer expense.
THE REMEDIES SET FORTH HEREIN ARE EXCLUSIVE.
FOR MORE INFORMATION ON OR ASSISTANCE WITH
ALLEGRO INDUSTRIES PRODUCTS, OR FOR OUR PARTS CATALOG, CONTACT ALLEGRO
TECHNICAL SERVICE TOLL FREE AT 1-800 –622-3530 OR techsvc@allegrosafety.com.

RETURN POLICY

NOTE: THE FOLLOWING REQUIREMENTS MUST BE FOLLOWED IN RETURNING GOODS OR PRODUCTS TO ALLEGRO INDUSTRIES:

1) ALLEGRO INDUSTRIES requires that you obtain a Return Merchandise Authorization Number (RMA#) prior to returning merchandise to us. This number can be obtained by calling ALLEGRO INDUSTRIES Customer Service at (800) 622-3530, or by requesting it in writing. Note: Products returned to ALLEGRO INDUSTRIES without a Returned Merchandise Authorization number will not be accepted and/or processed until one is acquired.
2) Before returning the product, decontaminate and clean it to remove any hazardous materials which may have settled on the product during use. Products suspected of asbestos and/or other dangerous contamination will be refused and returned freight collect.
3) The products or components must be returned to ALLEGRO INDUSTRIES freight prepaid, with the RMA number marked clearly on the outside of the package.